



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: Ms M. HOCUMES

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 1 of 14

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MBAH		US-4,622,013	11/11/1986	Cherchio	
MBAH		US- 4,874,784	10/17/1989	Clancey	
MBAH		US- 4,981,766	01/02/1990	Derr, et al.	
MBAH		US- 4,931,950	06/05/1990	Isle, et al.	
MBAH		US- 4,964,077	10/16/1990	Eisen, et al.	
MBAH		US- 4,977,529	12/11/1990	Gregg, et al.	
MBAH		US- 5,002,491	03/26/1991	Abrahamson, et al.	
MBAH		US- 5,170,464	12/08/1992	Hayes, et al.	
MBAH		US- 5,189,402	02/23/1993	Naimark, et al.	
MBAH		US- 5,208,745	05/04/1993	Quentin, et al.	
MBAH		US- 5,208,898	05/04/1993	Funabashi, et al.	
MBAH		US- 5,239,617	08/24/1993	Gardner, et al.	
MBAH		US- 5,259,766	11/09/1993	Sack et al.	
MBAH		US- 5,267,865	12/07/1993	Lee, et al.	
MBAH		US- 5,310,349	05/10/1994	Daniels, et al.	
MBAH		US- 5,311,422	05/10/1994	Loftin, et al.	
MBAH		US- 5,317,688	05/31/1994	Watson, et al.	
MBAH		US- 5,326,270	07/05/1994	Ostby, et al.	
MBAH		US- 5,359,701	10/25/1994	Chiang, et al.	
MBAH		US- 5,372,507	12/13/1994	Goleh	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MBAH		EP 0 689 132 A2	12/27/95	Laffra		
MBAH		EP 0 710 942 A2	05/08/96	Siefert		
MBAH		EP 0 710 942 A2	05/08/96	Siefert		
MBAH		EP 0 798 655 A2	10/01/97	Jervis, et al.		
MBAH		WO 00/04478	01/27/00	Jonsson		
MBAH		WO 97/44766	11/27/97	Cook		
MBAH		WO 98/03953	01/29/98	Simmons		
MBAH		WO 98/25251	06/11/98	Ho		
MBAH		WO 98/32109	07/23/98	De Lange		

Examiner Signature	<u>M. HOCUMES</u>	Date Considered	<u>5/7/05</u>
--------------------	-------------------	-----------------	---------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: Mr. HOCMEIS

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 2 of 14

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MBAH</u>		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
<u>MBAH</u>		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
<u>MBAH</u>		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/tols/59298.html	
<u>MBAH</u>		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story, 1996.	
<u>MBAH</u>		"A Special Section – Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994	
<u>MBAH</u>		"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994	
<u>MBAH</u>		"DDD—A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27	
<u>MBAH</u>		"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html	
<u>MBAH</u>		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
<u>MBAH</u>		"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp-341-46, Dec. 1997	
<u>MBAH</u>		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

Examiner Signature	<u>[Signature]</u>	Date Considered	<u>5/7/05</u>
--------------------	--------------------	-----------------	---------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: M. HOCMEIS

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 4 of 14

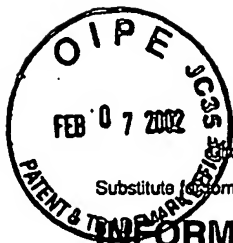
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MBAL</u>		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence In Education, pp. 556-58, Dec. 1997	
<u>MBAL</u>		"Task-Oriented Learning on the Web"; Innovations In Education and Training International, Vol. 36, No. 1, Feb. 1999	
<u>MBAL</u>		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at www.calsci.com/Applications.html	
<u>MBAL</u>		"KBLPS Overview" at www.cgi.com/CGIWEB/KBLPS/overindex4.html	
<u>MBAL</u>		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-141	
<u>MBAL</u>		"Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, No. 10, pp. 144-145	
<u>MBAL</u>		"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41	
<u>MBAL</u>		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," http://www.centurionsys.com/rtc157.html , Aug. 1997	
<u>MBAL</u>		"Technical Report: Computer Aided Education and Training Initiative" at http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html	
<u>MBAL</u>		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
<u>MBAL</u>		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

Examiner Signature	<u>[Signature]</u>	Date Considered	<u>5/7/05</u>
--------------------	--------------------	-----------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for Form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6 of 14

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number : 10/015,062

Filing Date : 05/05/2000

First Named Inventor: Beams

Group Art Unit: n/a 2121

Examiner Name: n/a M. HOCMEES

Attorney Docket Number: 05222.00183

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MBE</u>		"Artificial Intelligence and Mathematics Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html	
<u>MBE</u>		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html	
<u>MBE</u>		"WITS: A Reusable Architecture for a VR-Based ITS" at http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html	
<u>MBE</u>		"Brainmaker" at www.nplec.on.ca/~echoscan/28-04.htm	
<u>MBE</u>		"News for ESAP" at www.hops.wharton.upenn.edu/~esap/news.html	
<u>MBE</u>		"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	
<u>MBE</u>		"User-Sensitive Multimedia Presentation System," March 1, 1996, Vol. 39, No. 3, pp. 93-94	
<u>MBE</u>		"Microworlds and Simuworlods: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 36-49	
<u>MBE</u>		"What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
<u>MBE</u>		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1998.	

Examiner
Signature

[Signature]

Date
Considered

5/7/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (10-01)
 Approved for use through 10/31/2002. OMB 0651-0031
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : ~~113~~ 40/018, 062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: ~~n/a~~ 2(2)

Examiner Name: ~~n/a~~ Mr. E

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 7 of 14

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MBAL		US- 5,974,446	10/26/1999	Sonnenreich, et al.	
MBAL		US- 5,987,443	11/16/1999	Nichols, et al.	
MBAL		US- 6,003,021	12/14/1999	Zadik, et al.	
MBAL		US- 6,015,348	01/8/2000	Lambright, et al.	
MBAL		US- 6,016,486	01/18/2000	Nichols	
MBAL		US- 6,018,730	01/25/2000	Nichols, et al.	
MBAL		US- 6,018,731	01/25/2000	Bertrand, et al.	
MBAL		US- 6,018,732	01/25/2000	Bertrand, et al.	
MBAL		US- 6,023,691	02/08/2000	Bertrand et al.	
MBAL		US- 6,023,692	02/08/2000	Nichols	
MBAL		US- 6,026,386	02/15/2000	Lannert, et al.	
MBAL		US- 6,029,156	02/22/2000	Lannert, et al.	
MBAL		US- 6,029,158	02/22/2000	Bertrand, et al.	
MBAL		US- 6,029,159	02/22/2000	Zorba, et al.	
MBAL		US- 6,032,141	02/29/2000	O'Connor, et al.	
MBAL		US- 6,064,998	05/16/2000	Zablouddi, et al.	
MBAL		US- 6,067,537	05/23/2000	O'Connor, et al.	
MBAL		US- 6,067,538	05/23/2000	Zorba, et al.	
MBAL		US- 6,073,127	06/06/2000	Lannert, et al.	
MBAL		US- 6,085,184	07/04/2000	Bertrand, et al.	

[illegible]

**Examiner
Signature**

Date Considered

5/7/05

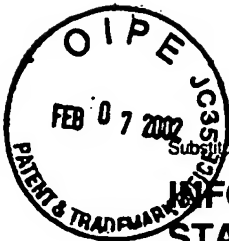
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark





Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number: 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: M. HOCNE S

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 8 of 14

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MBA</u>		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence In Education, pp. 307-314, Aug. 1995	
<u>MBA</u>		"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	
<u>MBA</u>		"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
<u>MBA</u>		"Evaluating Intelligent Tutoring with Gaming Simulations," Proc. Of the 1995 Winter Simulation Conf., pp. 1376-83, Dec. 1995	
<u>MBA</u>		"Persistent Issues in the Application of Virtual Environment Systems to Training," August 1996, Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. 124-32.	
<u>MBA</u>		"The Lisp Tutor," Byte, pp. 159-75, Apr. 1985	
<u>MBA</u>		"Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982	
<u>MBA</u>		Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	
<u>MBA</u>		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Management Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
<u>MBA</u>		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

Examiner Signature	<u>[Signature]</u>	Date Considered	<u>5/7/05</u>
--------------------	--------------------	-----------------	---------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

+ Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.
Continuation of form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: Mr. HOCUMES

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 9 of 14

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
<u>MBH</u>		US-6,101,489	08/01/2000	Lannert, et al.	
<u>MBH</u>		US- 6,125,358	09/26/2000	Hubbell, et al.	
<u>MBH</u>		US- 6,134,539	10/17/2000	O'Connor, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<u>[Signature]</u>	Date Considered	<u>5/7/05</u>
-----------------------	--------------------	--------------------	---------------

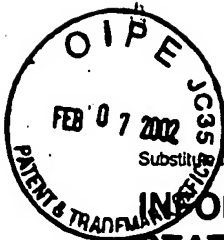
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

+



Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 10/018,062

Filing Date : 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: MI: HOMES

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 10 of 14

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MEH</u>		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
<u>MEH</u>		"Interface design issue for advising giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31	
<u>MEH</u>		"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence In Education, pp. 592-94, Dec. 1997	
<u>MEH</u>		"Architecture of an Intelligent Tutoring System on the WWW," Proc. Of 1997 World Conf. On Artificial Intelligence In Education, pp. 39-46 Dec. 1997	
<u>MEH</u>		"Socialized Collaborative Learning in Multimedia Virtual Worlds" URL: http://www.iscs.nus.edu.sg/labs/learning/els/VRML.html ; viewed Feb. 16, 1999	
<u>MEH</u>		Flexible Learning, Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33+	
<u>MEH</u>		"Teaching Through Case-Based Reasoning: An ITS Engine Applied to Business Communication," Proc. Of 1997 World Conf. On Artificial Intelligence In Education, pp. 111-18 Dec. 1997	
<u>MEH</u>		"Train with Less Pain," Oct. 13, 1997, Informationweek No. 652, pp. 150-154	
<u>MEH</u>		"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
<u>MEH</u>		"Intelligent Tutoring Systems: An Overview" at http://www.intellectbooks.com/authors/lawler/its.htm	

Examiner Signature	<u>[Signature]</u>	Date Considered	<u>5/7/05</u>
--------------------	--------------------	-----------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: Mr. HOCNIES

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 11 of 14

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MBA</u>		"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35	
<u>MBA</u>		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
<u>MBA</u>		"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934613-51-6.asp	
<u>MBA</u>		"From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(3), pp. 39-50, Dec. 1997	
<u>MBA</u>		"MUSE U.S. Patents" at www.muser.com/html/patents.html	
<u>MBA</u>		"Distributed Intelligent Tutoring on the Web," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 482-89, Dec. 1997	
<u>MBA</u>		"RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 386-393 Dec. 1997	
<u>MBA</u>		"Using the Wizard of Oz Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997	
<u>MBA</u>		"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994	
<u>MBA</u>		"An Electronic Infrastructure for a Virtual University," Communications of the ACM, Vol. 40, No. 9, Sep. 1997.	
<u>MBA</u>		"Simulation Technology and Parallelism in Learning Environments" at http://www.to.utwente.nl/prj/min/Book/chapter1.htm	

Examiner
Signature

[Signature]

Date
Considered

5/7/05

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : ~~05~~ 10/018,062

Filing Date : 05/05/2000

First Named Inventor: Beams

Group Art Unit: ~~05~~ 212

Examiner Name: ~~05~~ M. HOGANES

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 12 of 14

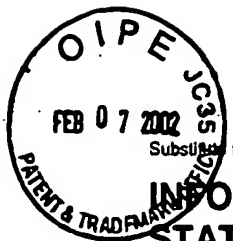
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M/BA		"Engines for Education" URL: http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html ; viewed Feb. 15, 1999.	
M/BA		"FinPlan System" at www.mai.org.ru/FinPlan/	
M/BA		"Enhancing Simulation Education with Intelligent Tutoring Systems," Proc. Of the 1996 Winter Simulation Conf., pp. 675-80, Dec. 1996	
M/BA		"Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
M/BA		"Teaching with the Internet" 1998, JAI Press Inc., USA. Vol no. 3, pp 217-222	
M/BA		"Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	
M/BA		"Authoring Intelligent Tutoring Systems: An Analysis of the State of the Art" at http://www.cs.umass.edu/~tmurray/papers/ATSummary/AuthTools.html	
M/BA		Multimedia Training "Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-26	
M/BA		"SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-30, Aug. 1995	
M/BA		"Decision Pro3.0" at www.vanguardsw.com/	

Examiner Signature		Date Considered	5/7/05
--------------------	--	-----------------	--------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 13 of 14

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number : 10/018,062

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: M. HOCHE S

Attorney Docket Number: 05222.00183

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MEH</u>		"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72, Dec. 1992.	
<u>MEH</u>		"The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-88, Dec. 1997	
<u>MEH</u>		"A Browser-Based System to Support & Deliver DE," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 1, Nov. 4-7, 1998	
<u>MEH</u>		"Goal-Based Scenarios and Business Training: A Conversation with Roger C. Schank," Educational Technology, Nov.-Dec. 1994	
<u>MEH</u>		"Automate Your Business Plan" at www.business-plan.com/screen2.html	
<u>MEH</u>		"Kiplinger TaxCut Press Releases" at http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html	
<u>MEH</u>		"TurboTax Deluxe Product Information" at http://www.intuit.com/turbotax/prodinfo/ttdlx.html	
<u>MEH</u>		"Why Should the Teens Have All the Best Games? Management Skill with Oil, Health, Housing Games," Computergram Int'l, June 178, 1998	
<u>MEH</u>		"Template Software Business Simulator, Chapter 8, August 1997	
<u>MEH</u>		"Template Software Workflow Simulator, Chapter 8, June 1998	
<u>MEH</u>		"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	

Examiner
Signature

M. HOCHE S

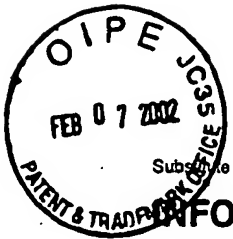
Date
Considered

5/7/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 10/015,062

Filing Date : 05/05/2000

First Named Inventor: Beams

Group Art Unit: 2121

Examiner Name: Mr. M. HOLMES

Attorney Docket Number: 05222.00183

(Use as many sheets as necessary)

Sheet 14 of 14

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>MHB</u>		"Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
<u>MHB</u>		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
<u>MHB</u>		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

Examiner Signature	<u>[Signature]</u>	Date Considered	<u>5/7/05</u>
-----------------------	--------------------	--------------------	---------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.